9 3 Practice B Transforming Functions

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B. x y C. x y 0 7. y 2= -3x 2- 1 8. y = −1 x 3 - 1 9. y = 3x2 + 1 9-3 Practice Transformations of Quadratic Functions A CB List the functions in order from the most vertically stretched to the least vertically stretched graph. 10. f(x) = 3x2, g(x) = −1 2 x2, h(x) = -2x2 11. f(x) = −1 x 2 2, g(x) = -−1 6 x2, h(x) = 4x2 f(x), h(x), g(x) h(x), f(x), g(x) 12.

Transformations of Quadratic Functions

Practice B Transforming Linear Functions Graph f x and g x . Then describe the transformation from the graph of f x to the graph of g x . 1. f x x; g x x 3 translation 3 units up 2. f x 1__ x 3 4; g x __1x 4 4 rotation (less steep) about 0, 4 3. f x x; g x 2x 5 rotation (steeper) about 0, 0 and translation 5 units down 4.

LESSON Practice B 5-9 Transforming Linear Functions

LESSON Practice B 1-3 Transforming Linear Functions. Practice B Transforming Linear Functions Let g(x) be the indicated transformation of f(x). Write the... Filesize: 728 KB; Language: English; Published: December 8, 2015; Viewed: 3,293 times

Practice Transforming Linear Functions Lesson B 1 3 ...

Practice B Transforming Linear Functions ... Holt McDougal Algebra 2 4. . TRANSFORMING LINEAR FUNCTIONS Practice A 1. 3 2. 1 4 fx .

Lesson Practice B 1-3 Transforming Linear Functions ...

Lesson 9-3 Chapter 9 19 Glencoe Algebra 1 Describe how the graph of each function is related to the graph of f(x) = x2. 1. g(x) = x2 + 2 2. g(x) = (x - 1) 2 3. g(x) = x2 - 8 Translation of f(x) = x2 Translation of f(x) = x2 Translation of up 2 units to the right 1 unit f(x) = x2 down 8 units 4. g(x) = 7x2 5. g(x) = −1 5 x2 6. g(x) = -6x2

Transformations of Quadratic Functions

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9-19 Holt McDougal Algebra 1 Practice A Graphing Quadratic Functions Identify the following components of each quadratic function. Then graph the function. 1. y = x2 + 2x 3 axis of symmetry x = b 2a: _____ vertex b 2a,y : _____ y-intercept (c): _____ two other points: _____ 2. y = 2x2 8x + 10 axis of symmetry x = b 2a:

9-1 Identifying Quadratic Functions

Practice and Problem Solving: D 1. B 2. C 3. B 4. D 5. 2 cm and 4 cm 6. I 7. I 8. III 9. II 10. 11. The image will be the same as triangle K. Reteach 1. D 2. B 3. C 4. B 5. 3 cm, 4 cm, 5 cm 6. Sample answer: A rotation of 180° turns the figure a half-turn and will be the same whether turned clockwise or counterclockwise. Reading Strategies 1 ...

Algebraic Representations of Transformations 9-4 Practice ...

9-4 Practice A Transforming Quadratic Functions Order the functions from narrowest graph to widest. 1. f x 5 x 2; g x 2 x 2 2. f x 1__ 2 x 2; g x 3x 2; h x x 2 f x , g x g x , h x , f x Compare the graph of each function with the graph of f x x 2. 3. g x x 2 3 4. g x 1__ 5 x 2 width: same width: g x is wider

Practice A 9-4 Transforming Quadratic Functions

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LESSON Practice B 9-4 Operations with Functions

9-4 Transforming Quadratic Functions9-4 Transforming Quadratic Functions Holt Algebra 1 Warm Up Lesson Presentation Lesson Quiz Holt Algebra 1 9-4 Transforming Quadratic Functions Warm Up For each quadratic function, find the axis of symmetry and vertex, and state whether the function opens upward or downward. 1. y = x2 + 3 2. y = 2x2 3. y ...

9-4 Transforming Quadratic Functions 9-4 Transforming ...

9 4 Practice Composition Of Transformation. Displaying top 8 worksheets found for - 9 4 Practice Composition Of Transformation. Some of the worksheets for this concept are Lesson practice b 9, Chapter 9, Unit 9 study guide answer key, Pre algebra, Graph the image of the figure using the transformation, National math science mathematics initiative, First published in 2013 by the university of ...

9 4 Practice Composition Of Transformation Worksheets ...

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Practice B x-x8-x8-6 Solving Quadratic Equations by Factoring

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Transforming Polynomial Functions (continued) ... 9. x3 − 3x + 3 10. 2x3 − 6x 11. −x3 + 3x 12. The profits decreased by $100,000. Practice B 1. g(x) = (x + 4)3 3+ 1 2. g(x) = 3x + 3 3. () 1 3 1 2

LESSON Reteach Transforming Polynomial Functions (continued)

9.1 Solving Quadratic Equations by Finding Square Roots 9.2 Simplifying Radicals 9.3 Graphing quadratic functions 9.4 Solving Quadratic Equations by Graphing 9.5 Solving Quadratic Equations by the Quadratic Formula 9.6 Applications of the Discriminant 9.7 Graphing Quadratic Inequalities 9.8 Comparing Linear, Exponential, and Quadratic Models

Chapter 9 : Quadratic Equations and Functions : 9.3 ...

9.4 Practice - Quadratic Formula Solve each equation with the quadratic formula. 1) 4a2 +6=0 3) 2x2 − 8x − 2=0 5) 2m2 − 3=0 7) 3r2 − 2r − 1=0 9) 4n2 − 36 =0 11) v2 − 4v − 5= − 8 13) 2a2 +3a+ 14=6 15) 3k2 +3k − 4=7 17) 7x2 +3x − 16 = − 2 19) 2p2 +6p− 16 =4 21) 3n2 +3n= − 3 23) 2x2 = − 7x + 49 25) 5x2 =7x +7 27) 8n2 = − 3n− 8 29) 2x2 +5x = − 3 31) 4a2 − 64=0

9.4 Practice - Quadratic Formula

3 5. The cost of a classified ad is represented by C( ) 1.50 4.00 where is the number of lines in the ad. The cost is increased by $3.00 when color is used. Write a new function H( ) for the cost of a classified ad in color, and describe the transformation(s) that have been applied. Transforming Linear Functions g x 3x 8 g x 3x 1 g x 6x 2